LW Scientific

Crit Carrier

Instruction Manual

Transforms an angled test tube centrifuge into a microhematocrit centrifuge.

The Crit Carrier is specifically designed to run microhematocrits in most common angled test tube centrifuges, like our E8 Centrifuge. Simply insert your microhematocrit capillary tubes into the carrier, place carriers in opposing tubes sleeves for a balanced load, and spin at 3,400 rpm (or higher) for 6 minutes for clear separation. Save counter space and eliminate the need to purchase an additional microhematocrit centrifuge.

Spins up to 8 standard 75mm capillary tubes.

Crit Carriers ONLY, pair of 4-place Crit Carriers

C5A-04CC-PR77
- 17mm diameter
- 111mm length
- Accommodates 75mm microhematocrit tubes
- Includes EZ Reader Card

*May not fit into plastic sleeves in common angled centrifuges.

Crit Carriers with metal tube sleeves

CNP-04CC-PRAG
- Fits into LW Scientific USA E8, Universal, & Combo V24 angled-rotor centrifuges
- Accommodates 75mm microhematocrit tubes
- Includes EZ Reader Card

EZ Reader Microhematocrit Card

ZCP-EZRD-HEM7
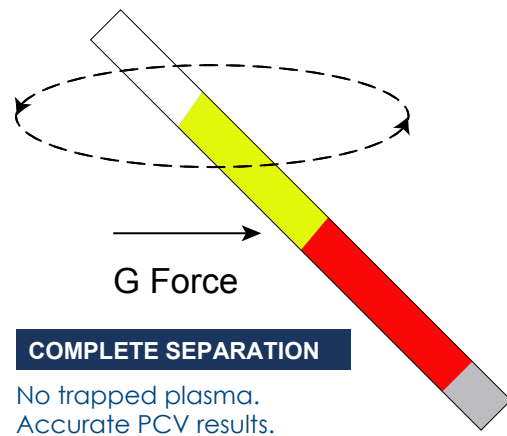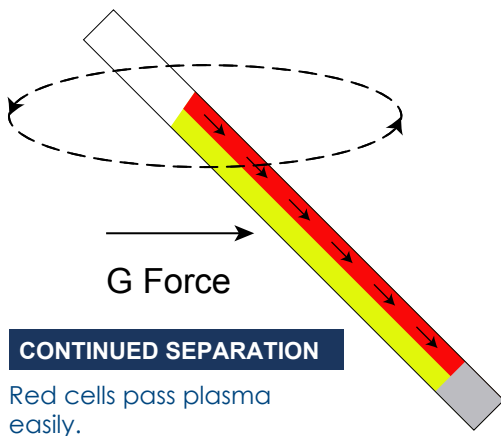- Reads 40mm or 75mm microhematocrit tubes
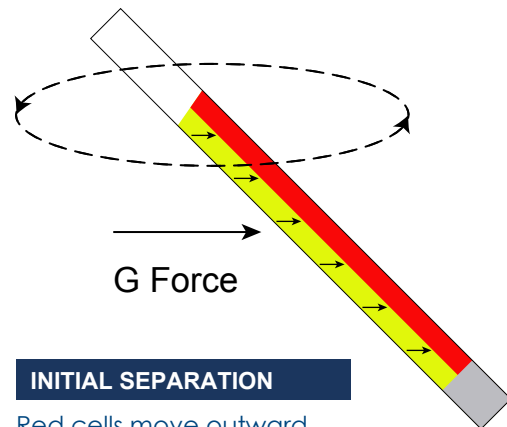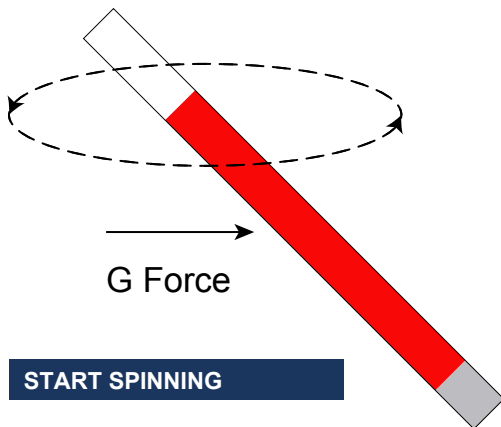
Instructions for use:

1 Insert capillalaries in the *CRIT Carrier*

2 Insert the carrier in the metal tube shields

3 Spin at 3,400 rpm (or higher) for 6 (+/-1) minutes

Explanation of microhematocrits in an angled centrifuge:

In a traditional microhematocrit centrifuge with a flat rotor, the red cells and the plasma must pass through each other horizontally in the narrow tube. In this case, very high speed and g-force is needed to reduce trapped plasma. When using LW Scientific Crit Carriers in an angled rotor, the red cells initially move to the outer tube wall while the plasma initially moves to the inner tube wall. Then, they pass each other easily as the red cells travel down to the bottom of the tube and the plasma travels to the top. With more efficient separation and ZERO trapped plasma, the PCV value will be accurate.

G Force

START SPINNING

G Force

INITIAL SEPARATION

Red cells move outward.
Plasma moves inward.

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CONTINUED SEPARATION

Red cells pass plasma
easily.

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COMPLETE SEPARATION

No trapped plasma.
Accurate PCV results.

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